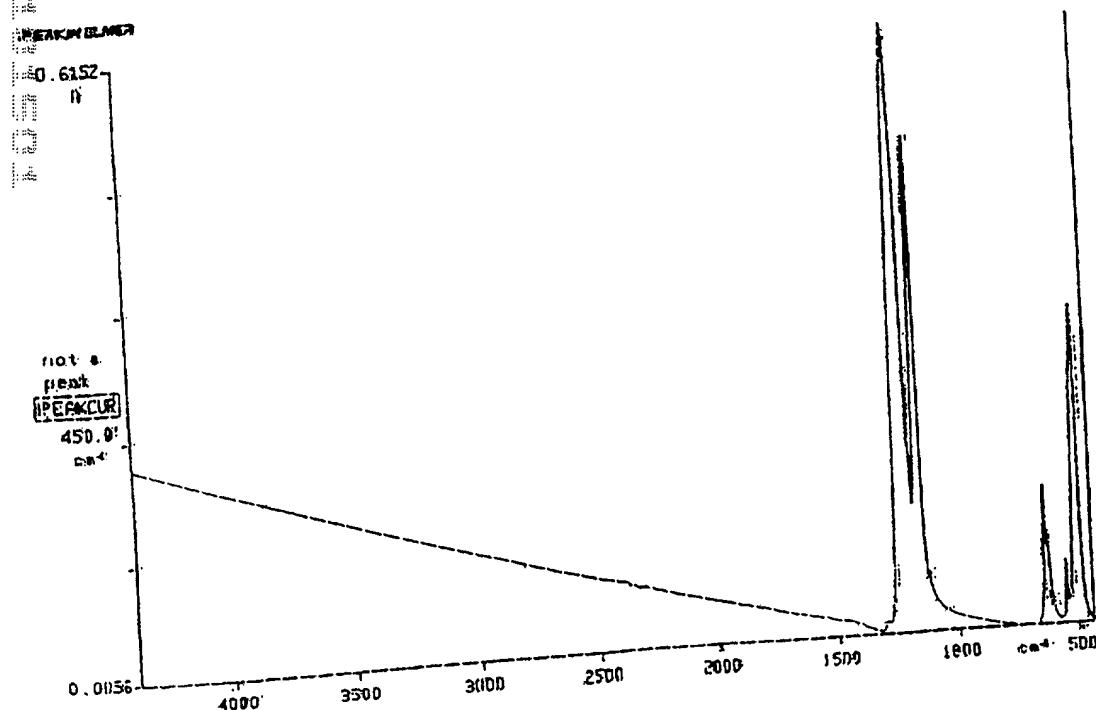
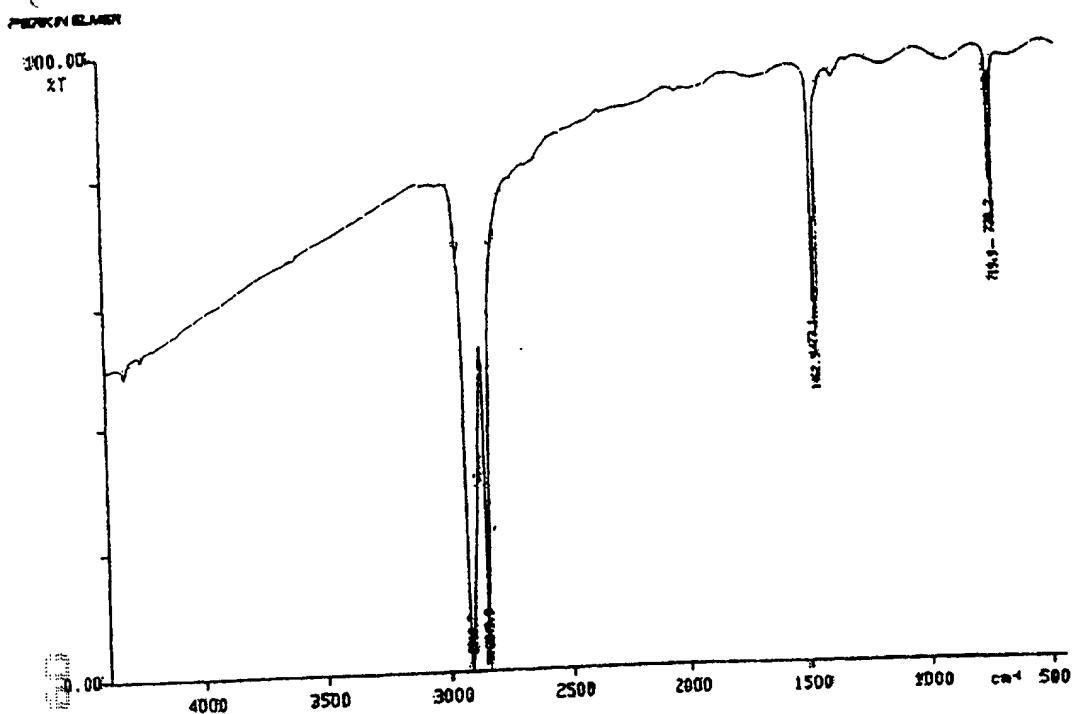


00/10/09 15:30  
3mtfion: 64 scans, 4.0 $\text{cm}^{-1}$   
Teflon-type 62

FIGURE 1---PTFE 3M SAMPLE CARD TRANSMISSION SPECTRUM (TOP)  
AND ABSORBANCE SPECTRUM (BOTTOM)

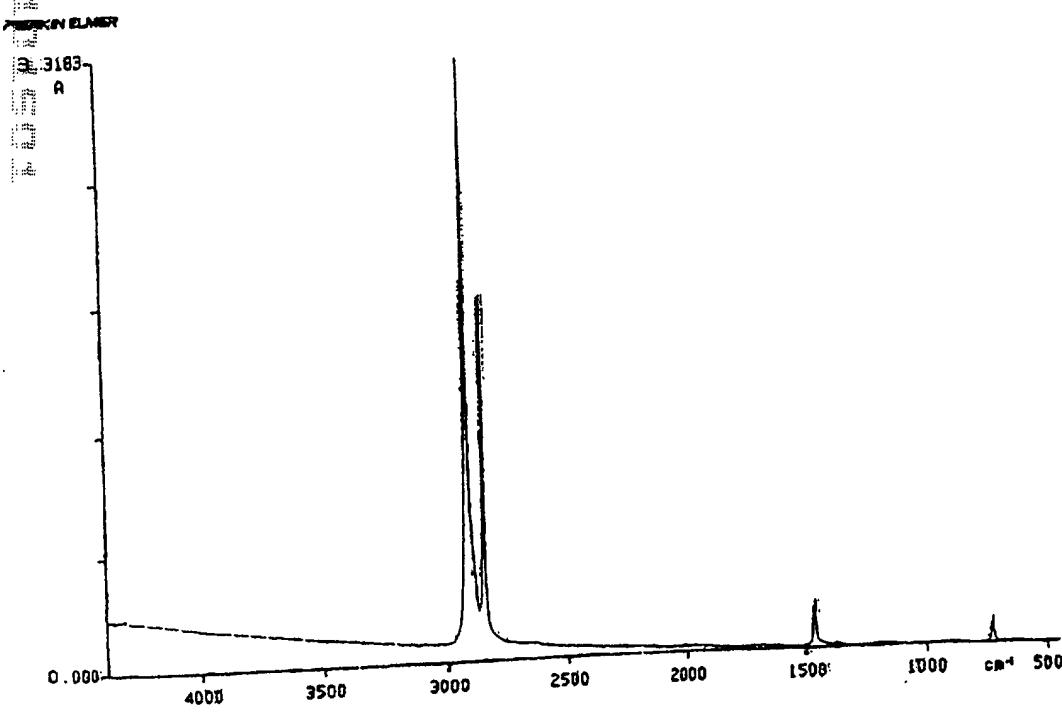


00/10/09 15:30  
3mtfion: 64 scans, 4.0 $\text{cm}^{-1}$   
Teflon-type 62



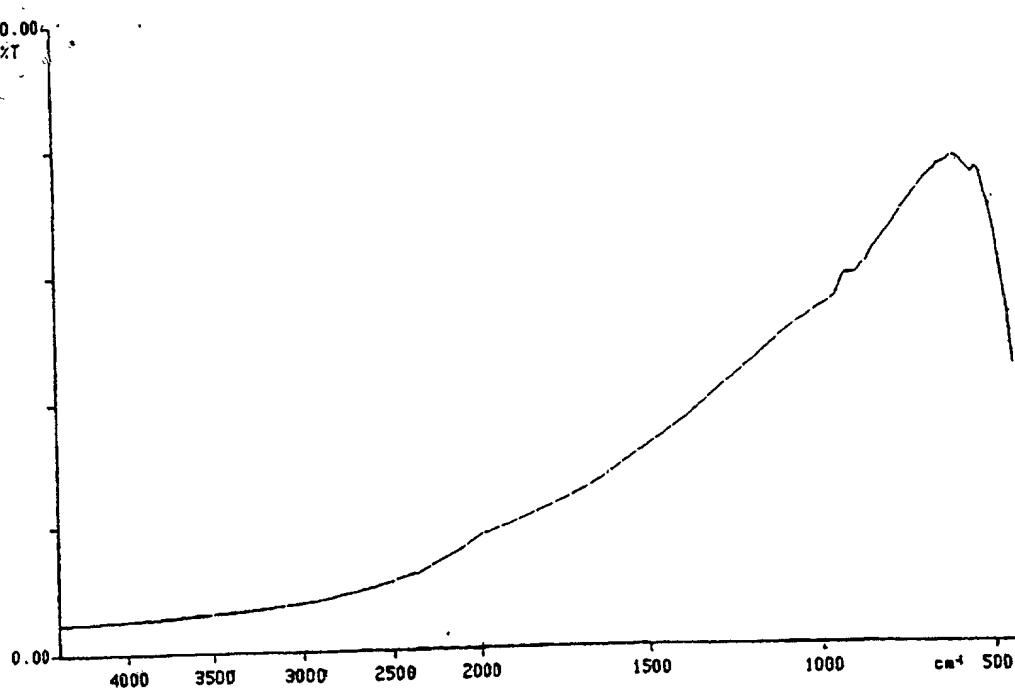
00/10/09 15:49  
3opoly: 64 scans, 4.0 $\text{cm}^{-1}$   
Polyethylene-type61

FIGURE 2--- POLYETHYLENE 3M SAMPLE CARD TRANSMISSION SPECTRUM (TOP) AND ABSORBANCE SPECTRUM (BOTTOM)

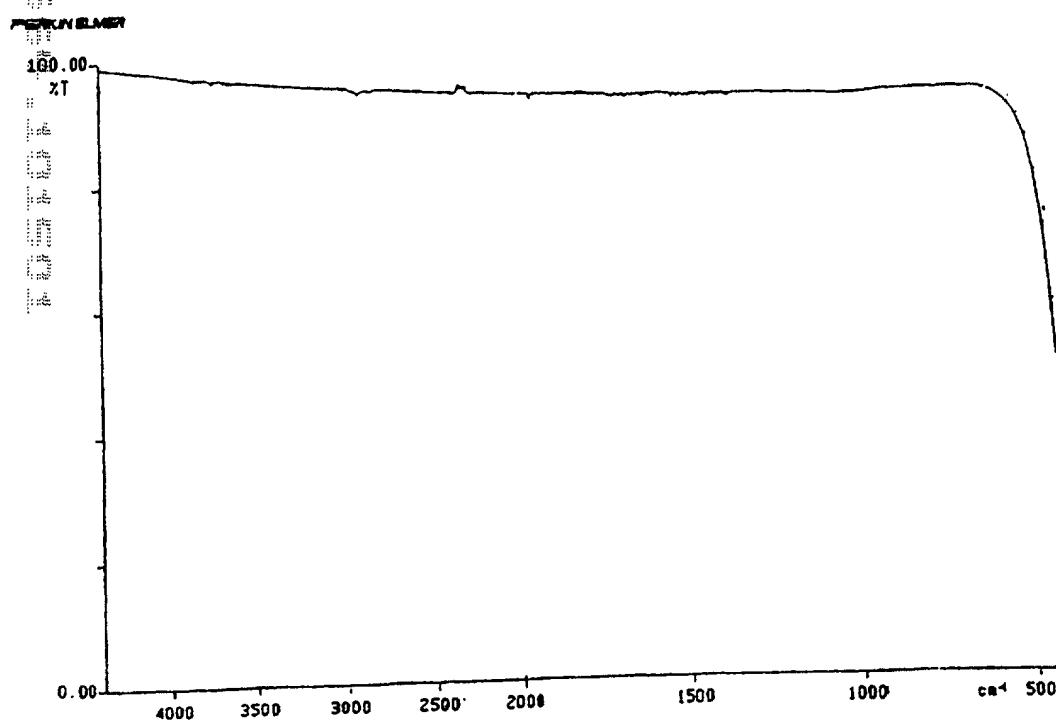


00/10/09 15:49  
3opoly: 64 scans, 4.0 $\text{cm}^{-1}$   
Polyethylene-type61

FIGURE 3A---SPECTRUM KCL CRYSTAL BLANK, UNPOLISHED



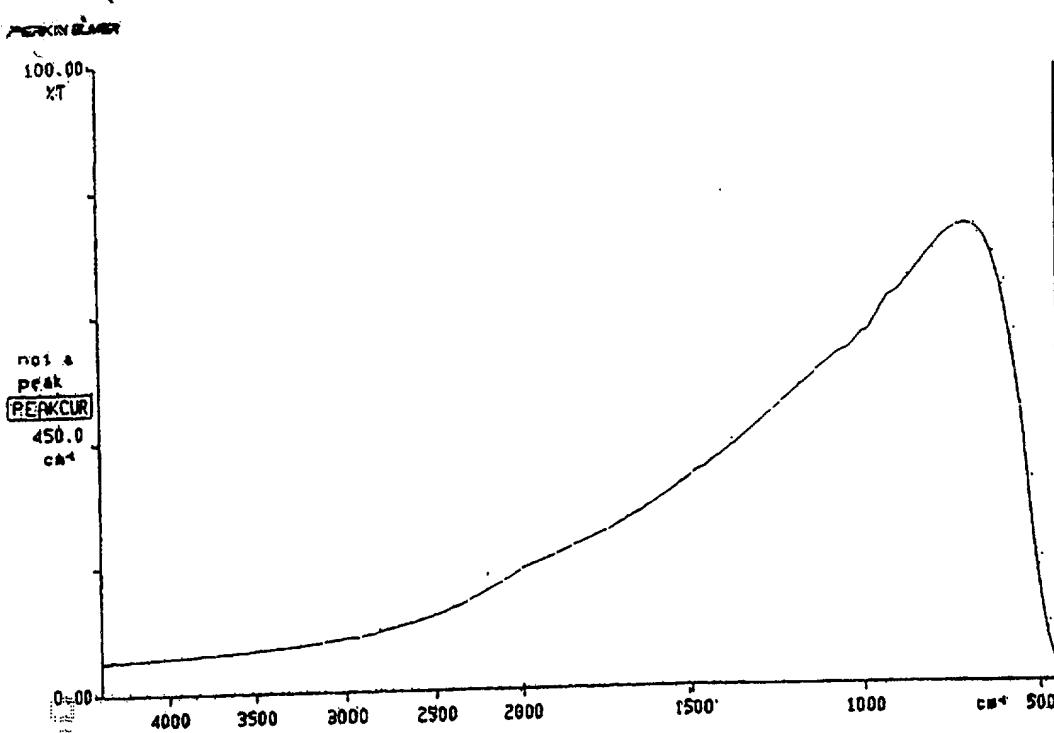
00/10/10 09:36  
kclunpol: 64 scans, 4.0 $\text{cm}^{-1}$   
kcl unpol 25x5mm



00/10/10 10:12  
kcl2: 64 scans, 4.0 $\text{cm}^{-1}$   
kcl unpol/H2o pol

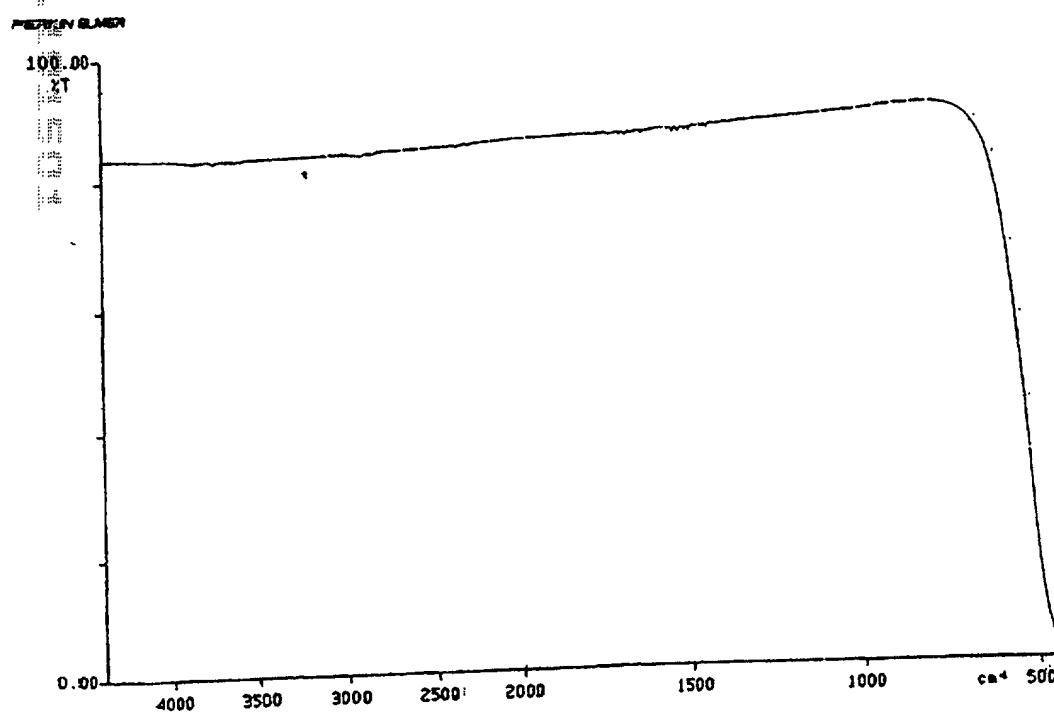
FIGURE 3B---SPECTRUM KCL CRYSTAL BLANK, WATER POLISHED

FIGURE 4A--SPECTRUM NACL CRYSTAL BLANK, UNPOLISHED



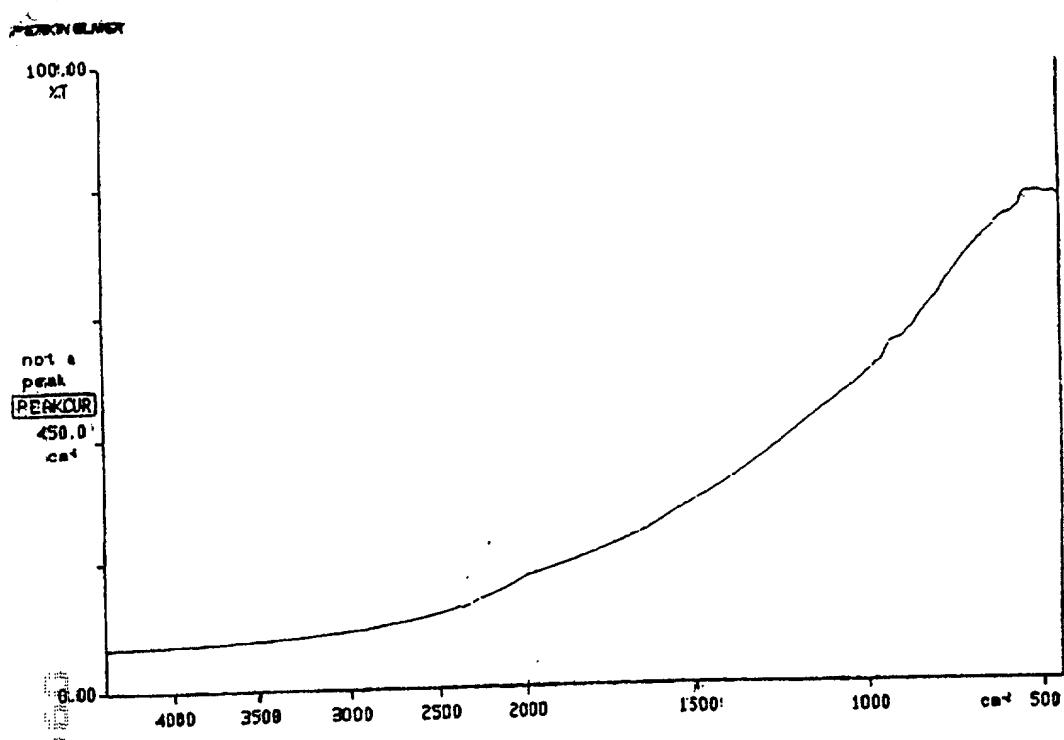
00/10/10 09:31  
nac11: 64 scans, 4.0 $\text{cm}^{-1}$   
NaCl unpol 25x5mm

FIGURE 4B--SPECTRUM NACL CRYSTAL BLANK, WATER POLISHED



00/10/10 09:45  
nac12: 64 scans, 4.0 $\text{cm}^{-1}$   
NaCl Unpol/h2o pol

FIGURE 5A---SPECTRUM KBR CRYSTAL BLANK, UNPOLISHED



00/10/10 14:35  
Kb2H2O(p): 4 scans, 4.0cm<sup>-1</sup>  
Kbr unpol/H2O com. pol.

FIGURE 5B---SPECTRUM KBR CRYSTAL BLANK, WATER POLISHED

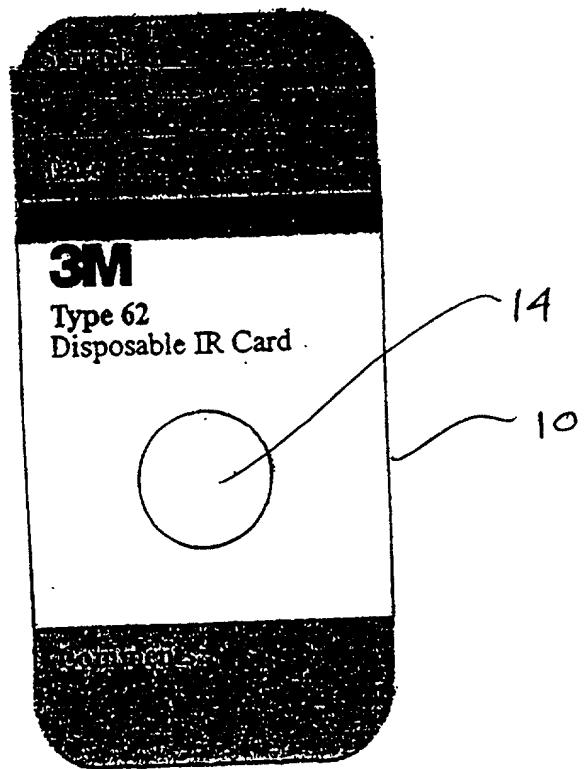


FIGURE 6---3M SAMPLE CARD---PTFE

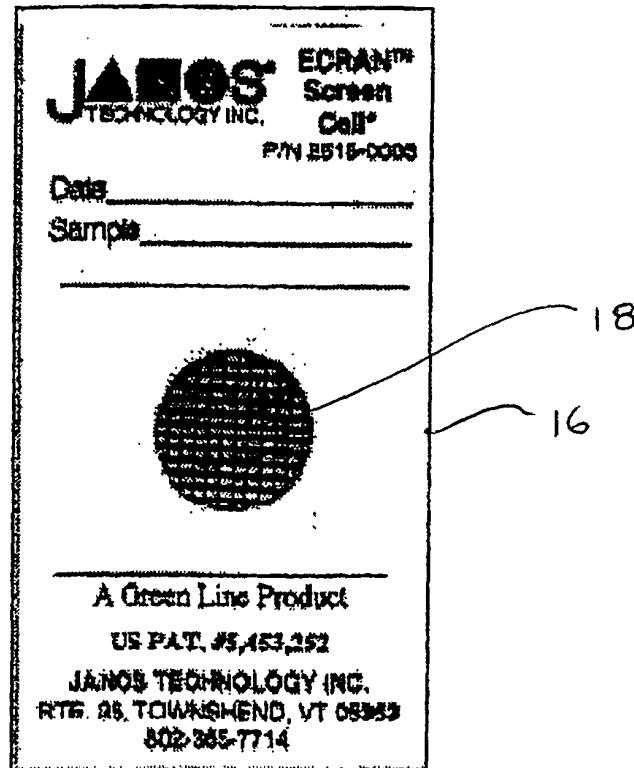


FIGURE 7---JANOS SCREEN CARD

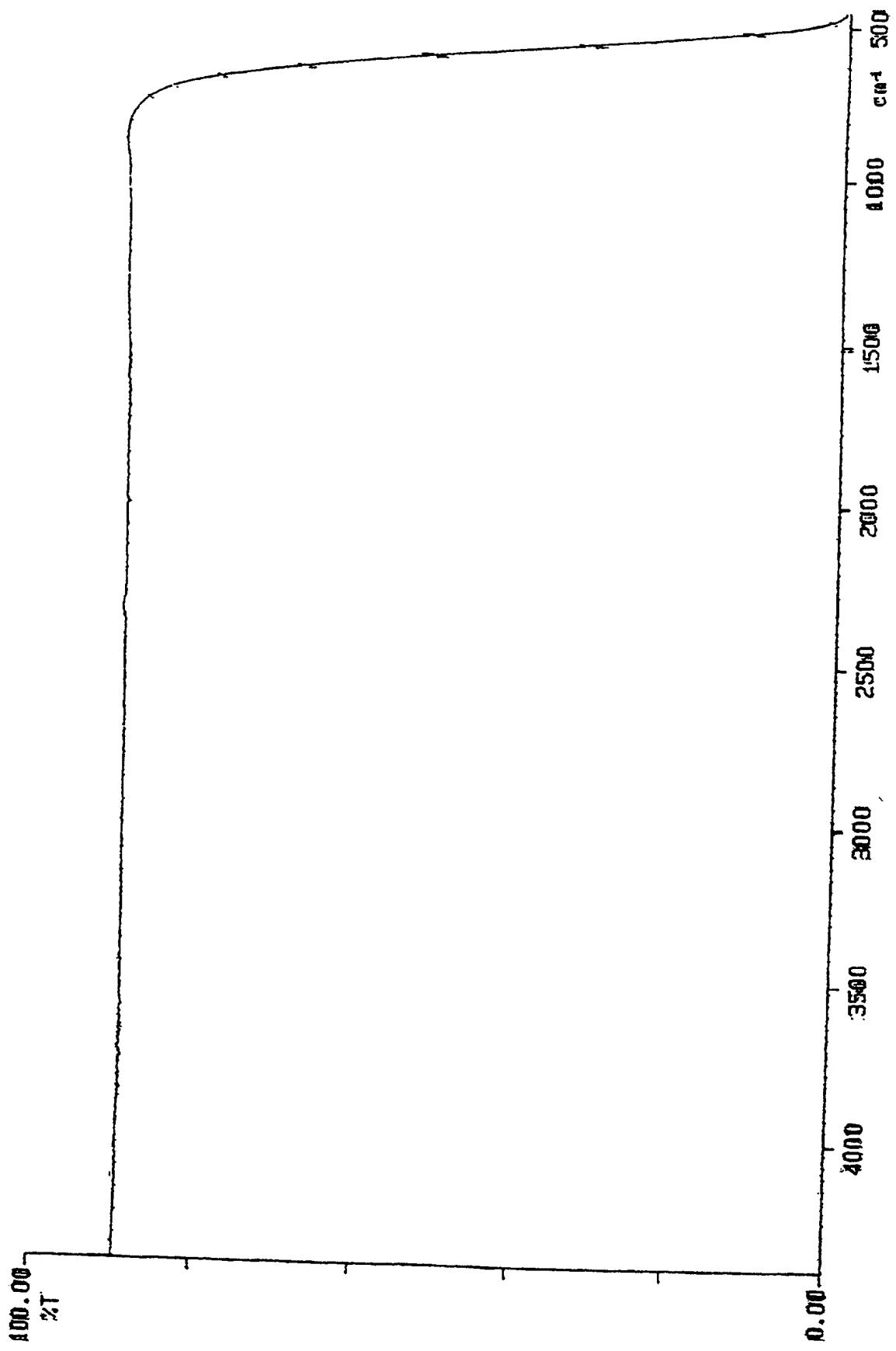


FIGURE 8---SPECTRUM OF CLEAVED NaCl CRYSTAL SAMPLE  
SUPPORT MOUNTED IN 19MM APERTURE  
SAMPLE CARD

00/10/16 14:24  
X: 1 scan, 4.0 cm<sup>-1</sup>

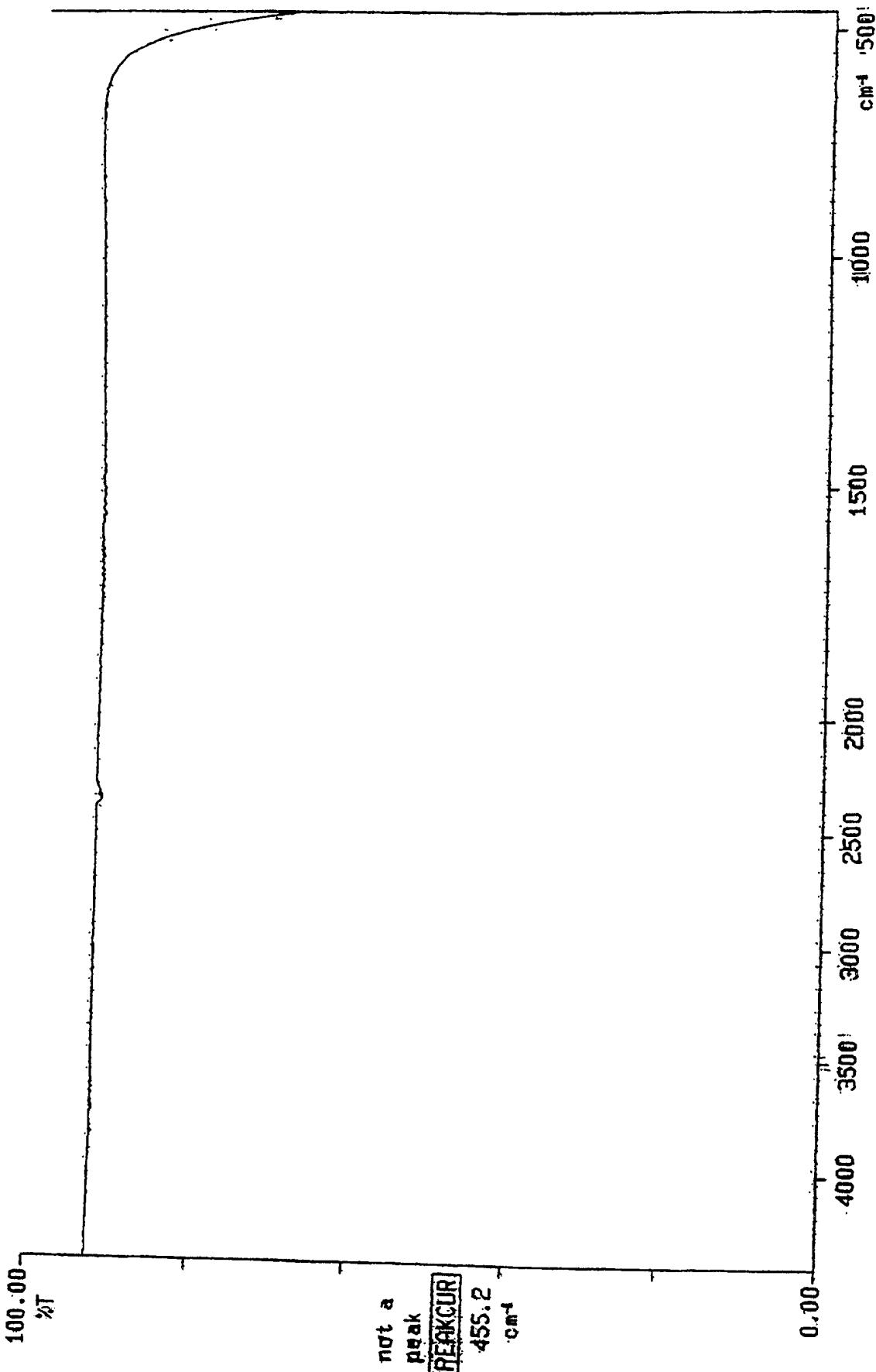
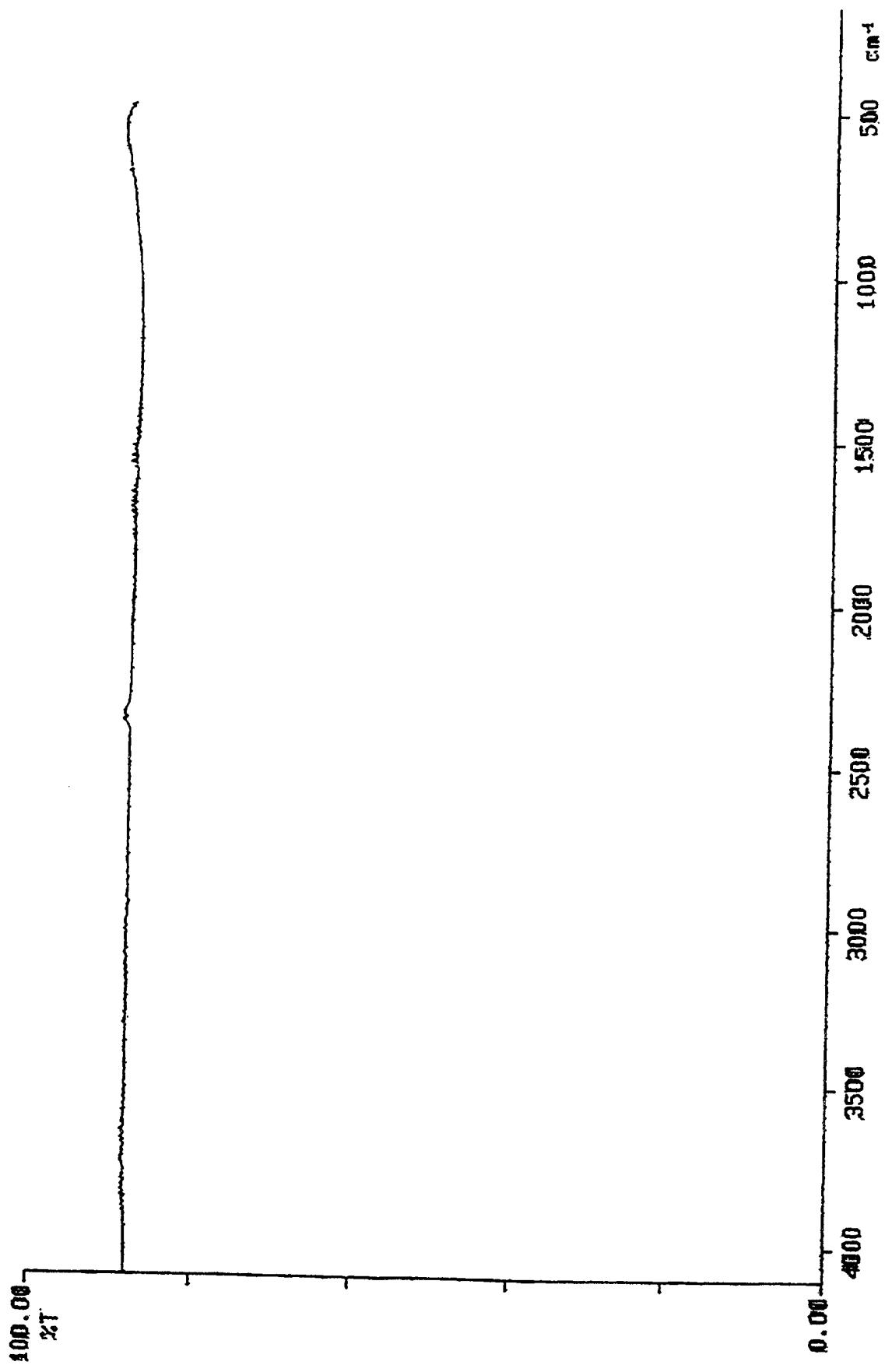


FIGURE 9—SPECTRUM OF CLEAVED KCL CRYSTAL SAMPLE  
SUPPORT MOUNTED IN 19MM APERTURE  
SAMPLE CARD

00/10/10 11:37  
KCl19-03: 64 scans, 4.0cm<sup>-1</sup>:  
KCl-10100-003



00/10/15 14:09  
Z: 1 scan, 4.0cm<sup>-1</sup>

FIGURE 10---SPECTRUM OF CLEAVED KBR CRYSTAL SAMPLE  
SUPPORT MOUNTED IN 19MM APERTURE  
SAMPLE CARD

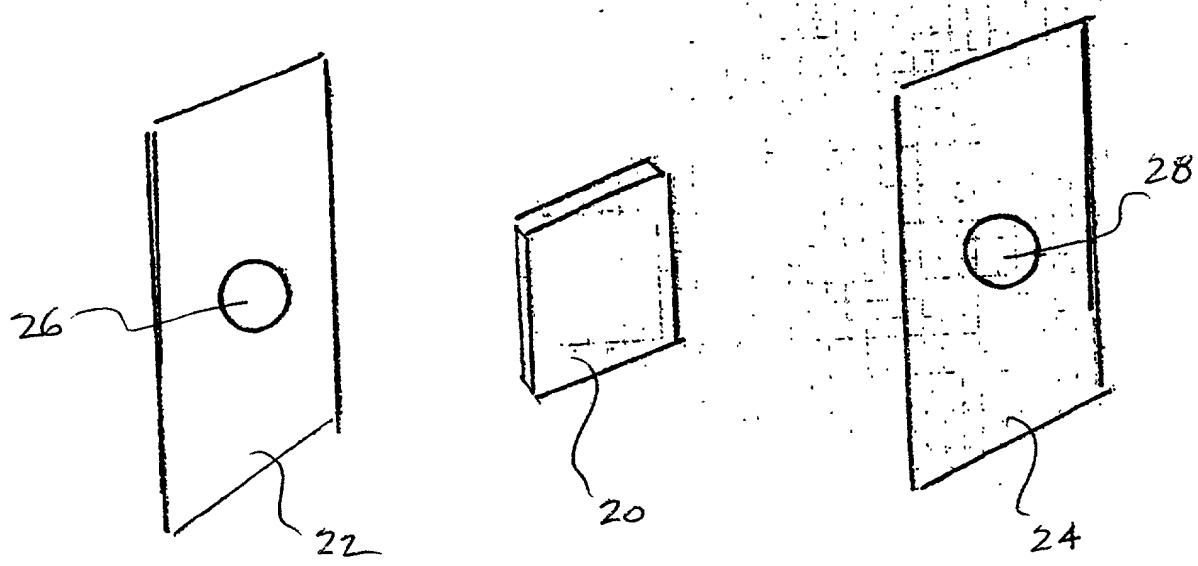


FIGURE 11---EXPLODED VIEW OF SAMPLE CARD WITH CLEAVED  
CRYSTAL WINDOW AS SAMPLE SUPPORT

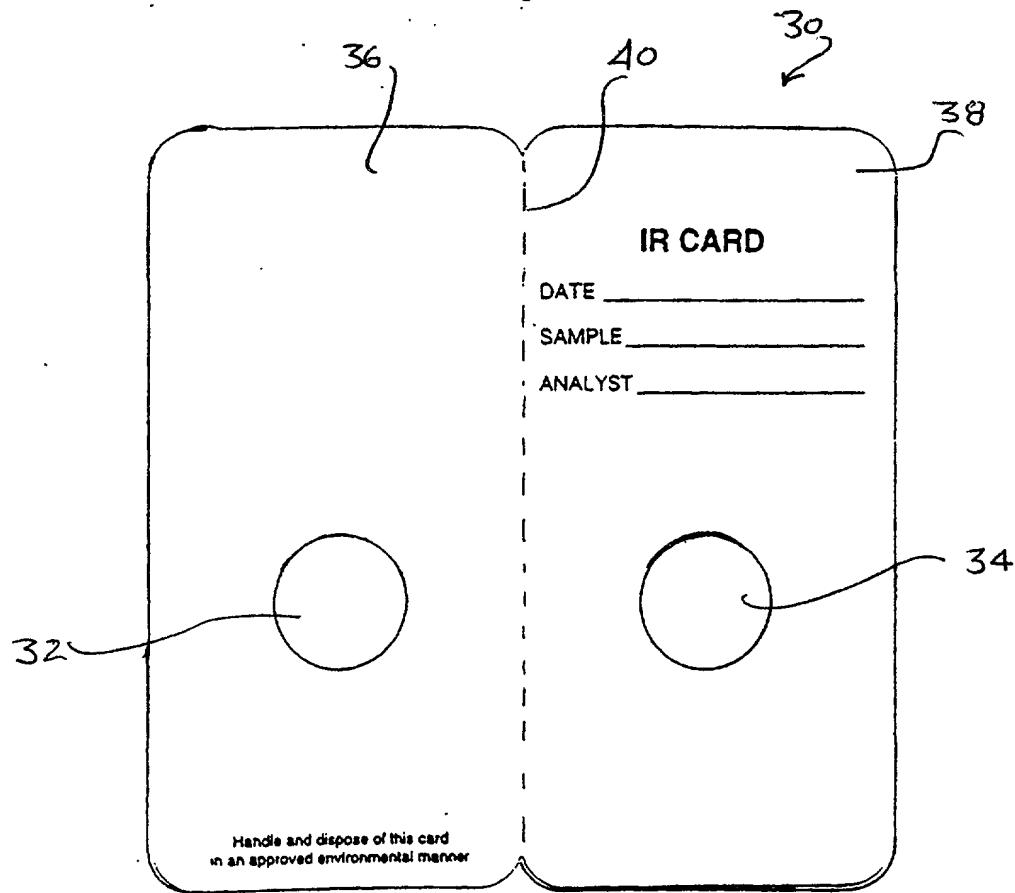


FIGURE 12---SAMPLE CARD FRAME WITH 2 APERTURES FOR FOLD OVER  
SANDWICHING OF SAMPLE SUPPORT WINDOW

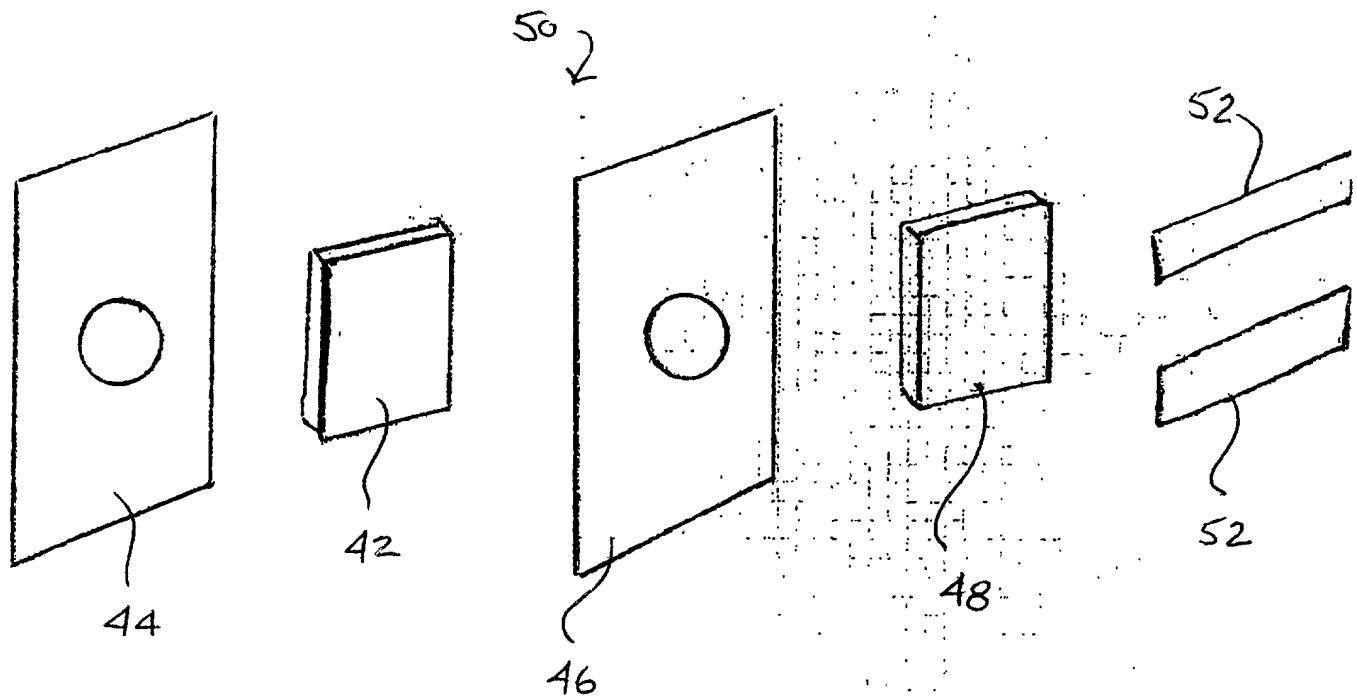


FIGURE 13---EXPLODED VIEW OF SAMPLE CARD WITH CLEAVED  
CRYSTAL AS SAMPLE SUPPORT AND WITH SECOND  
COVER WINDOW

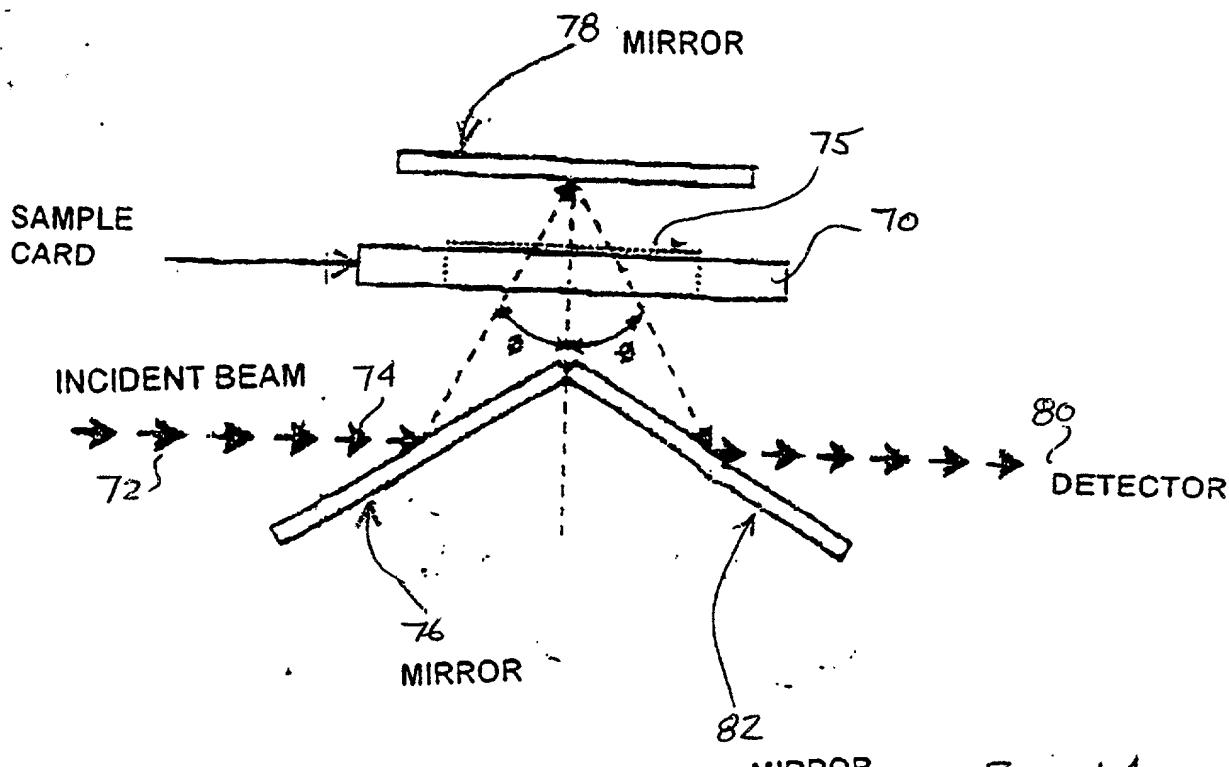


FIG. 14

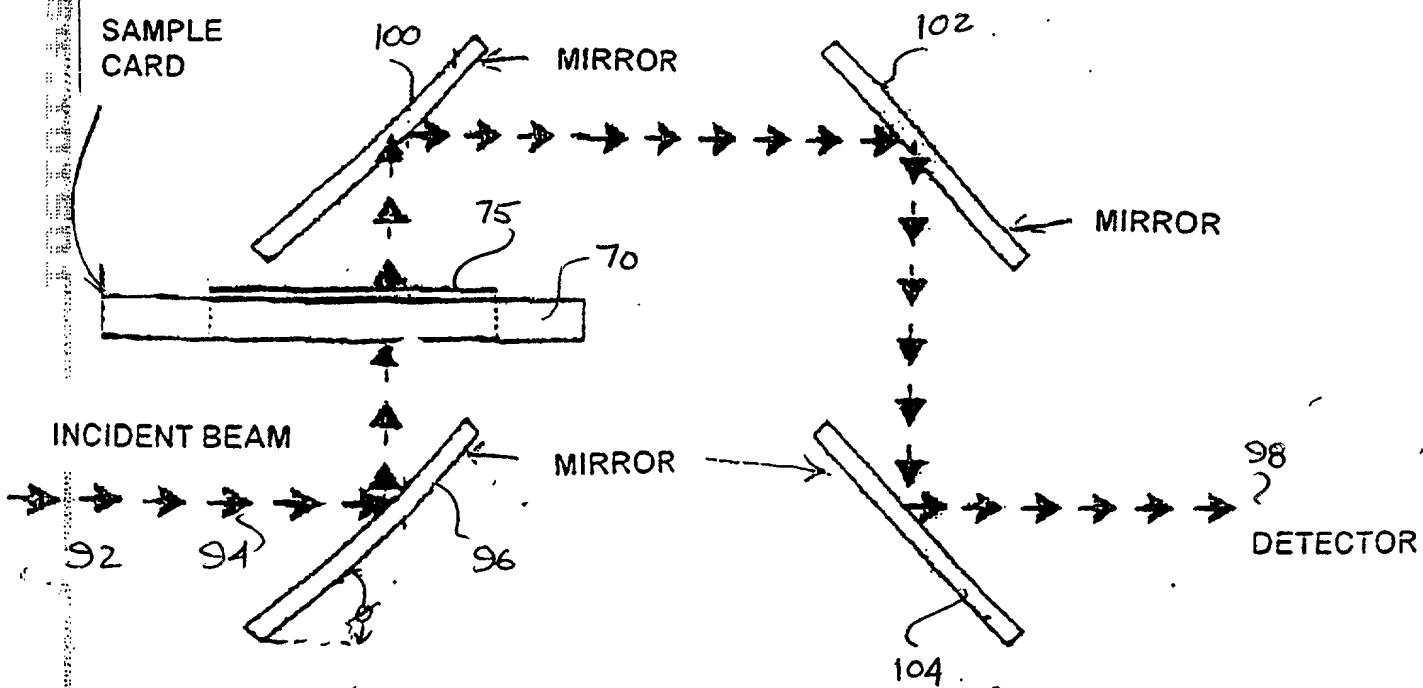


FIGURE 15--USE OF SAMPLE CARD IN HORIZONTAL POSITION

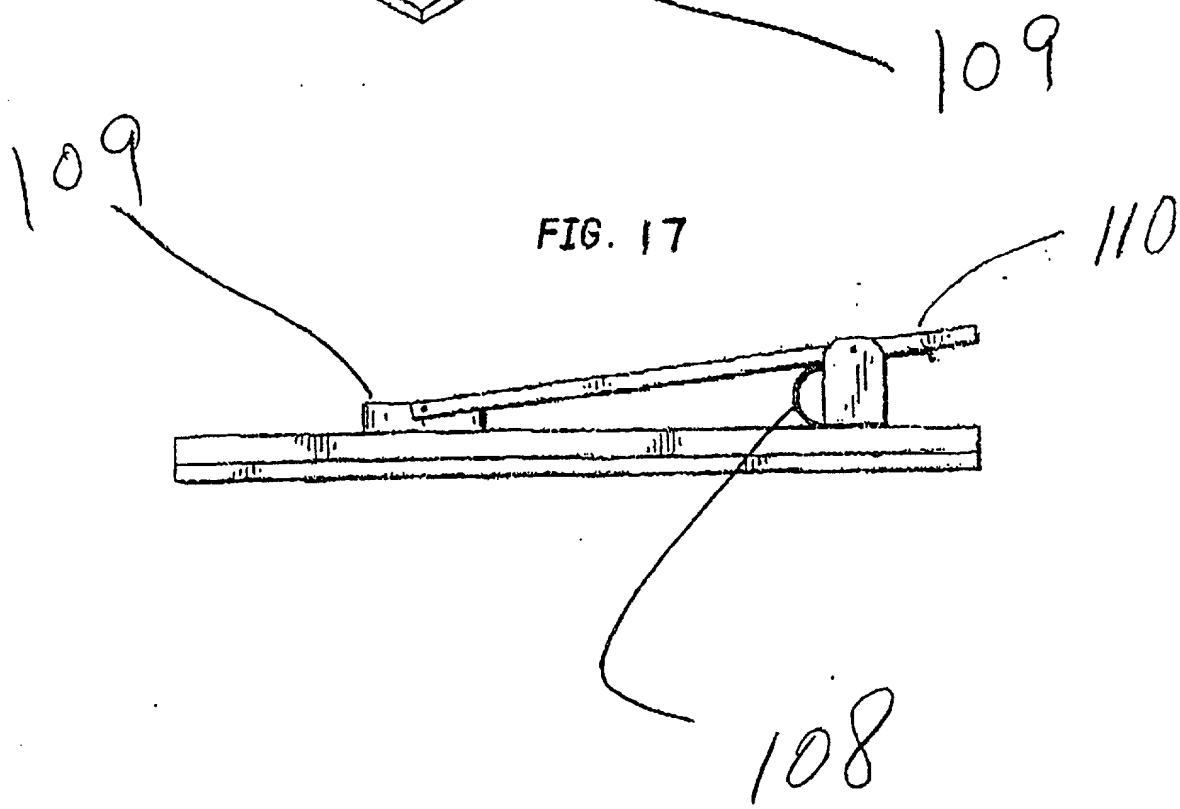
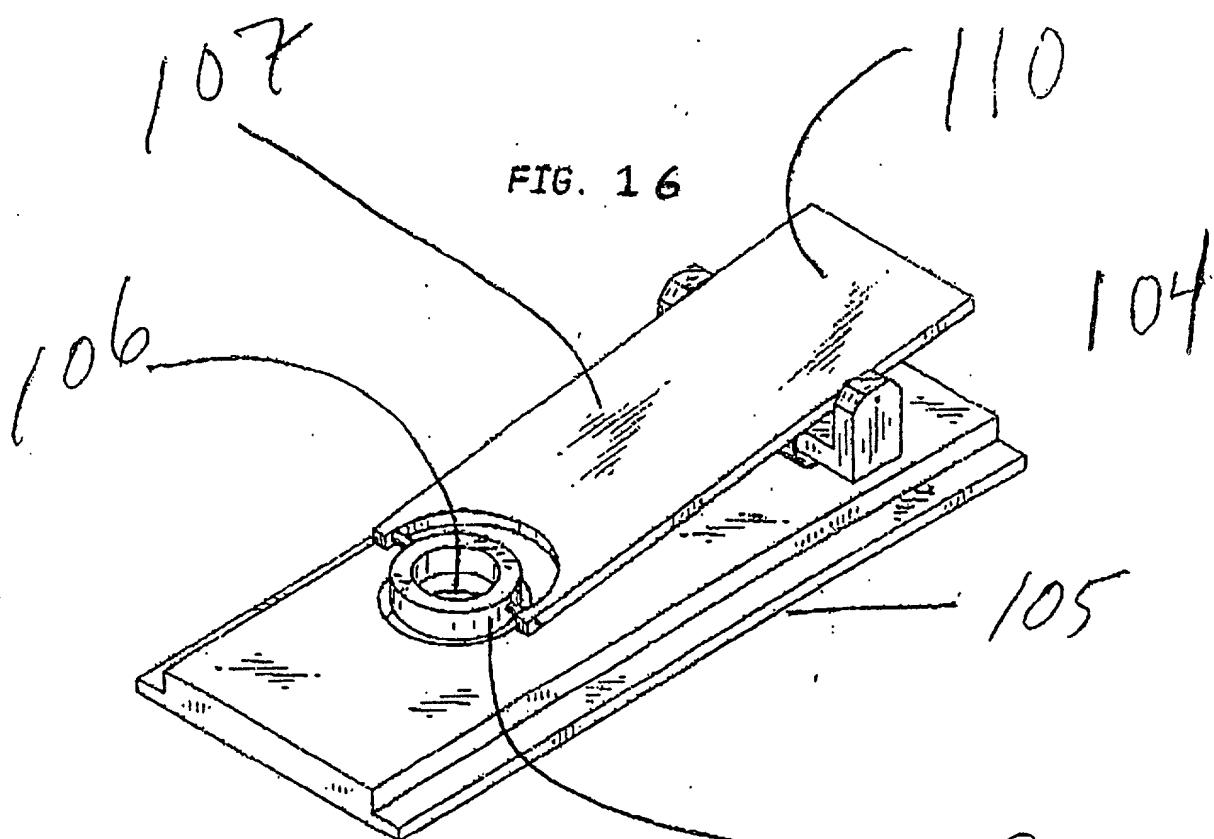


FIG. 18

